

SECRET

25X1

Monthly Report

PAR 214

31 Dec 65

SUBJECT: Roller Transport Processor (12-Inch)

TASK/PROBLEM

1. Design and fabricate a versatile self-threading photographic processor capable of handling both cut sheet and continuous webs of photographic material and adaptable to a process yielding either standard negative or reversal images. Interchange between processes to be accomplished with a minimum of effort.

DISCUSSION

2. The contractor's investigation of the RT-12R Processor pinhole problem indicates that pinholes are caused by emulsion being picked off the film rather than by gouges in the emulsion caused by dirt. It has been established that extruded Kralastic material, used in the rack rollers which come into contact with the softened emulsion as it is being transported through the RT-12R Processor, contributes to this problem.

3. One of three racks returned to the contractor has been reassembled using polyethylene-covered rollers on the inside bank, thus eliminating any Kralastic contact with the emulsion. Preliminary tests indicate that pickoff can be minimized using this arrangement.

4. Corrosion has been observed on the phenolic side plates used in the dichromate bleach rack. These plates are being remade from an epoxy resin material known to be resistant to dichromate bleach.

5. A spare parts list has been submitted for customer review.

Declass Review by NGA.

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PLANNED ACTIVITY

6. Continue the pinhole problem investigation.
7. Reassemble bleach rack using epoxy side plates.
8. Modify machine in accordance with findings of Paragraph 6.
9. Check out modified machine at the customer's site.

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